

PEEK / POLIETERCETONA

General properties	Test method		
Density	DIN EN ISO 1183-1	g/cm ³	1,31
Water absorption	DIN EN ISO 62	%	0,2
Flammability (Thickness 3 mm / 6 mm)	UL 94		V0 / V0
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	110
Elongation at break	DIN EN ISO 527	%	20
Tensile modulus of elasticity	DIN EN ISO 527	MPa	4000
Notched impact strength (charpy)	DIN EN ISO 179	kJ/m ²	-
Ball indentation hardness	DIN EN ISO 2039-1	MPa	230
Shore hardness	DIN EN ISO 868	scale D	88
Thermal properties			
Melting temperature	ISO 11357-3	°C	343
Thermal conductivity	DIN 52612-1	W/(m*K)	0,25
Thermal capacity	DIN 52612	kJ/(kg*K)	1,34
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ K ⁻¹	50
Service temperature, long term	Average	°C	-60...250
Service temperature, short term (max.)	Average	°C	310
Heat deflection temperature	DIN EN ISO 306, Vicat B	°C	152
Electrical properties			
Dielectric constant	IEC 60250		3,2
Dielectric dissipation factor (50Hz)	IEC 60250		0,001
Volume resistivity	IEC 60093	Ω *cm	4,9 * >10 ¹⁶
Surface resistivity	IEC 60093	Ω	10 ¹⁸
Comparative tracking index	IEC 60112		-
Dielectric strength	IEC 60243	kV/mm	20

Product characteristics

- Excellent dimensional stability
- High flame retardance and self-extinguishing.
- Very low smoke density
- Typical field of application
- Medical technology
- Aerospace engineering
- Electrical industry

The data stated above are average values ascertained by statistical tests on a regular basis. They are in accordance with DIN EN 15860. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.

Los valores e información facilitados son de referencia y orientativos. Se pueden utilizar con fines comparativos para la selección de materiales. Pueden variar en función del proceso. No constituyen una garantía de sus características.

Suministros Ind. Azan S.A. no garantiza ni aceptaría ninguna responsabilidad por la exactitud de los mismos.